

ABSTRACT OF THE DISCLOSURE

A secondary battery exhibiting a long cycle life and comprising a negative pole activating material made of lithium or zinc is provided, the battery at least having a negative pole made of lithium or zinc serving as the negative pole activating material, an electrolyte (electrolytic solution), a separator, a positive pole made of a positive pole activating material, a collecting electrode and a battery case, wherein at least the surface of the negative pole is covered with a film having a structure which allows ions relating to the battery reactions to pass through. Since growth of dendrites of lithium or zinc at the time of charge can be prevented, short circuiting between the negative pole and the positive pole can be prevented. Therefore, the charge/discharge cycle life can significantly be lengthened. As a result, a lithium secondary battery, a nickel-zinc secondary battery, an air-zinc secondary battery, a bromine-zinc secondary battery and a silver oxide-zinc secondary battery of long cycle life can be manufactured.

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